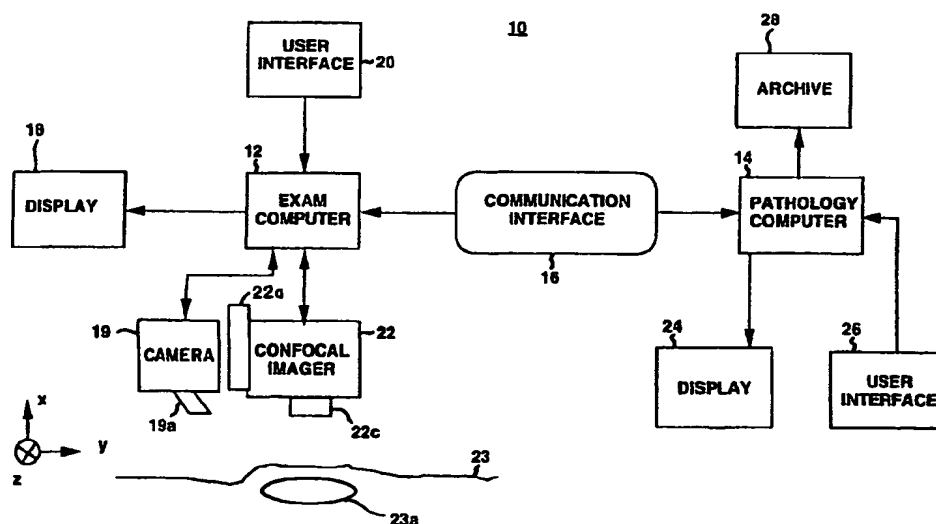




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(54) Title: SYSTEM FOR FACILITATING PATHOLOGICAL EXAMINATION OF A LESION IN TISSUE

**(57) Abstract**

In order to facilitate pathological examination of a lesion (23a) in in vivo tissue, a system and method are provided having a computer system in which both a camera (19) for producing a digital macroscopic picture of the lesion, and an image (22) are coupled to the computer system. The image is responsive to the computer system and has optics for scanning the lesion to generate images representing microscopic sections of the lesion, which provide sufficient information for pathological examination of the lesion. The computer system generates location information, referencing the location in the microscopic picture of the lesion where the lesion was scanned to the images, and stores data in an electronic file structure which contains at least a macroscopic picture, and the location information.